

**Utilized ENUM-DNS databases** at the originating S-CSCF

trusted operators Hidentities of the the IMS E 164

Example of NAPTR RRs for Radiolinja's IMS E.164 identities (358-50-22112233 and 358-50-22112244):

\$ORIGIN 2.2.0.5.8.5.3.local\_ims\_enum.e164.ims.sonera.fi. 3.3.2.2.1.1 IN NAPTR 100 10 "u" "sip+E2U" "!(^.\*\$)!sip:\1@ims.radiolinja.fi!" 4.4.2.2.1.1 IN NAPTR 100 10 "u" "sip+E2U" "!(^.\*\$)!sip:\1@ims.radiolinja.fi!" Example of NAPTR RRs for Sonera's own IMS E.164 Identities

(358-40-55667788 and 358-40-55667799):

the own IMS E.164

identities

\$ORIGIN 5.5.0.4.8.5.3.local\_ims\_enum.e164.ims.sonera.fi. 8.8.7.7.6.6 IN NAPTR 100 10 "u" "sip+E2U" "i(^.\*\$)\sip:\1@ims.sonera.fil" 9.9.7.7.6.6 IN NAPTR 100 10 "u" "sip+E2U" "i(^.\*\$)\sip:\1@ims.sonera.fil"

Utilized ENUM-DNS databases at the originating BGCF

Example of NAPTR RRs for routing to Sonera's own MGCFs and Radiolinja's BGCF (358-40-56xxxxx to Sonera's MGCF1): (358-40-4xxxxxx to Sonera's MGCF2): (358-50-xxxxxxx to Radiolinja's BGCF): Bare prefix can be used because IMS E.164 messages and/or sets of messages and/or setsions (i.e. +358-50-22xxxxxx) are already routed from the originating S-CSCF to Radiolinja's I-CSCF.

\$ORIGIN 6.5.0.4.8.5.3.local\_routing\_enum.e164.ims.sonera.fil.

\*IN NAPTR 100 10 "u" sip+E2U" "I(^.\*\$)lsip:\1@mgcf2.ims.sonera.fil.

\*IN NAPTR 100 10 "u" sip+E2U" "I(^.\*\$)lsip:\1@mgcf2.ims.sonera.fil.

\*SORIGIN 0.5.8.5.3.local\_routing\_enum.e164.ims.sonera.fil.

\*IN NAPTR 100 10 "u" "sip+E2U" "I(^.\*\$)lsip:\1@mgcf2.ims.radiolinja.fil".

FQDNs of the owr MGCFs and foreign BGCFs 7/15

at the terminating BGCF at the terminating BGCF Example of N. Example of N. (358-50-22112

Example of NAPTR RRs for RadiolinJa's IMS E.164 Identities (358-50-22112233 and 358-50-22112244):

\$GRIGIN 2.2.0.5.8.5.3.e164.ims.radiolinja.fi. 3.3.2.2.1.1 IN NAPTR 100 10 "u" "sip+E2U" "!(^.\*\$)islp:\1@ims.radiolinja.fil" 4.4.2.2.1.1 IN NAPTR 100 10 "u" "sip+E2U" "!(^.\*\$)Isip:\1@ims.radiolinja.fil"

identities

Example of NAPTR RRs for routing to Radiolinja's own MGCFs and Sonera's BGCF (358-50-23xxxxxx to Radiolinja's MGCF1): (358-50-5xxxxxxxx to Radiolinja's MGCF2): (358-40-xxxxxxxxx to Sonera's BGCF): Bare prefix can be used because IMS E.164 messages and/or sets of messages and/or sessions (i.e. +358-40-55xxxxxx) are already routed from the originating S-CSCF to Sonera's I-CSCF.

FQDNs of the own

MGCFs and foreign BGCFs

\$ORIGIN 3.2.0.5.8.5.3.e164.ims.radiolinja.fl.
• IN NAPTR 100 10 "u" "slp+E2U" "((^.\$))slp:\1@mgcf1.ims.radiolinja.fl"
\$CRIGIN 5.0 5.8 5.3 e164 ims radiolinja.fl

\$ORIGIN 5.0.5.8.5.3.e164.ims.radiolinja.fi.
• IN NAPTR 100 10 "u" "sip+E2U" "(\^.\$)!slp:\1@mgcf2.ims.radiolinja.fi!"
\$ORIGIN 0.4.8.5.3.e164.ims.radiolinja.fi.

\$ORIGIN 0.4.8.5.3.e164.ims.radiolinja.fl. \* IN NAPTR 100 10 "u" "sip+E2U" "!(^. \$)!sip:\1@bgcf.ims.sonera.fl!"

FIG. 7

WO 2004/008786

8/15

PCT/IB2002/002782

## E.164 routing within IMS

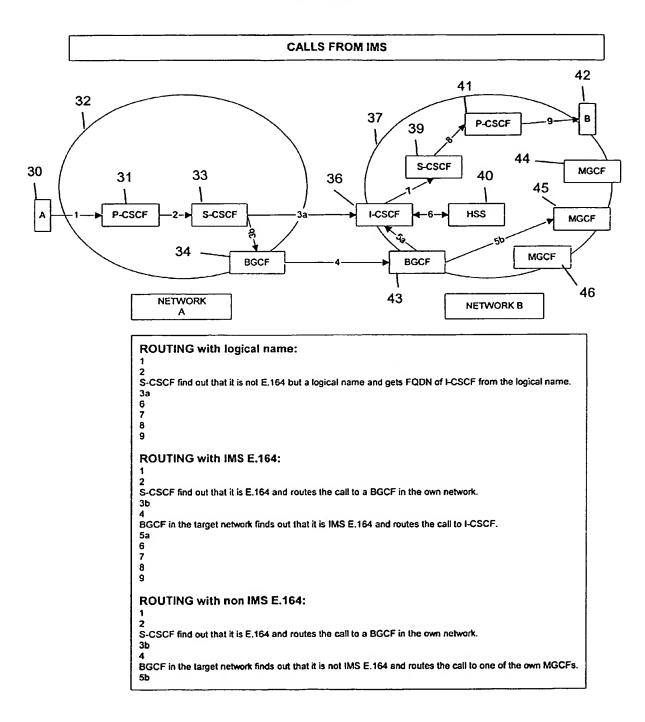


FIG. 8

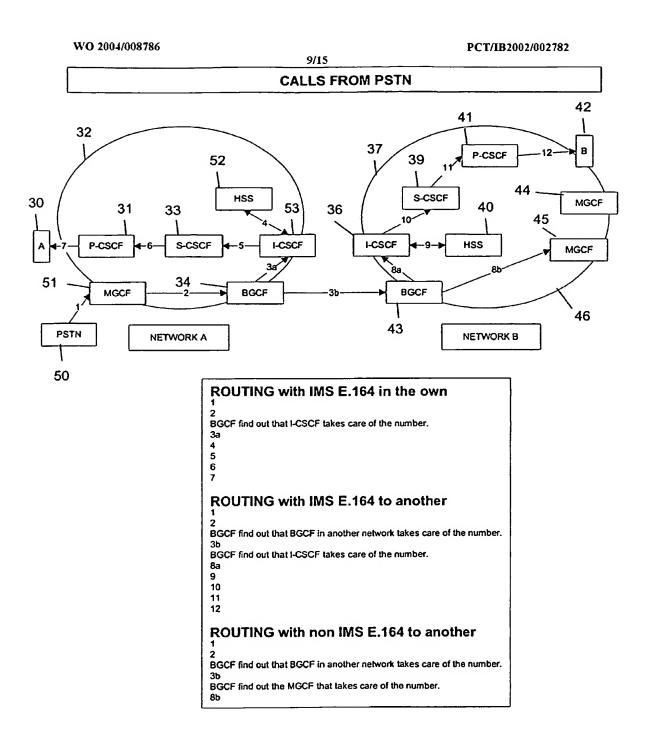


FIG. 9

WO 2004/008786

10/15

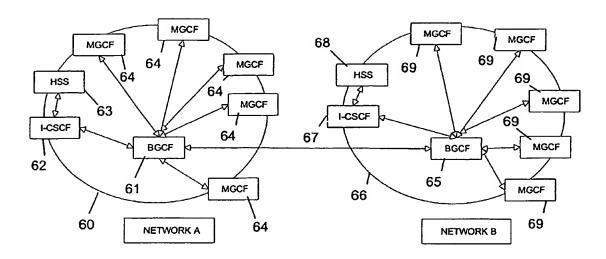


FIG. 10

WO 2004/008786

11/15

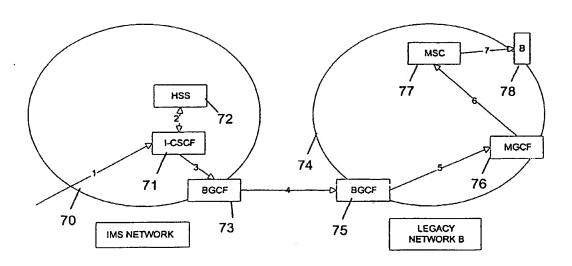


FIG. 11

12/15

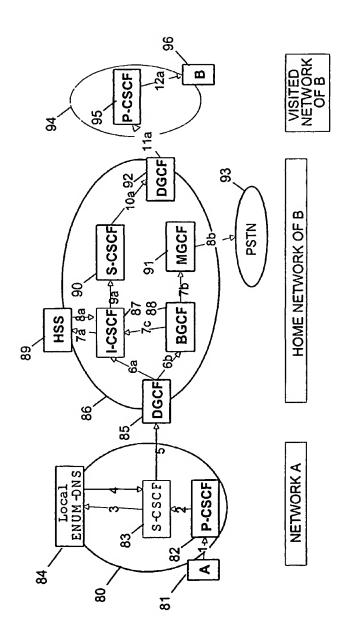


FIG. 12

PCT/IB2002/002782

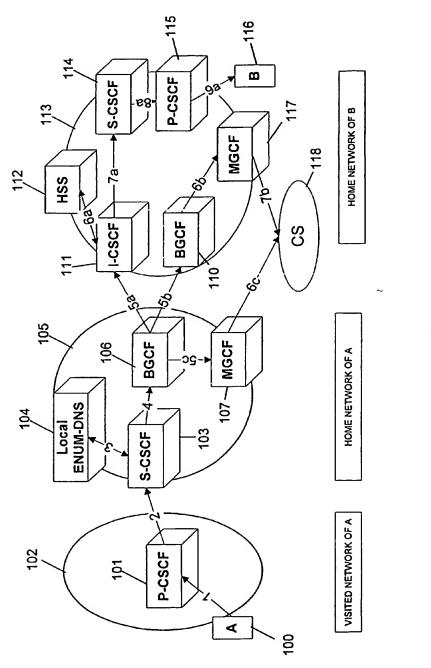
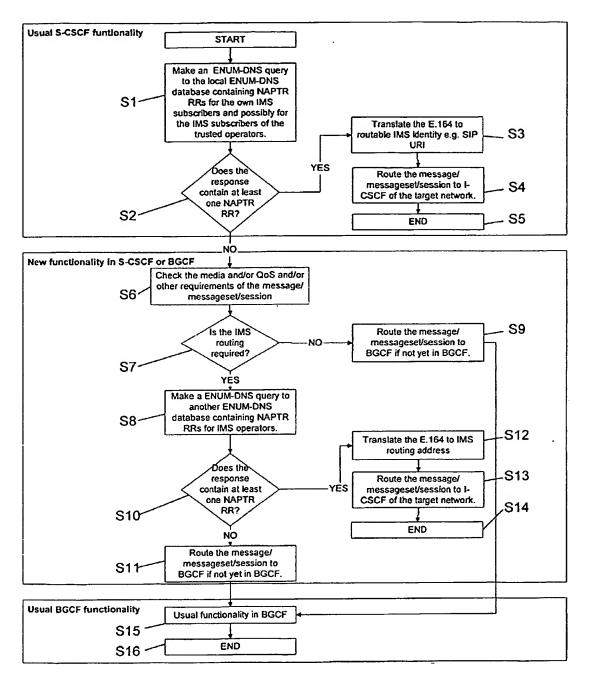


FIG. 13

14/15



**FIG. 14** 

